

Pure Substances:

The Atom



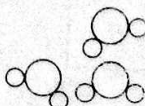
Element:



Molecule:



Compounds:



Matter: anything that has
Mass:
Volume:

Mixtures:

Blend of 2 or more pure substances
Can be separated by physical processes

Homogenous:

Uniform throughout
No visibly different parts

Solute: Lesser amount
Substance dissolved in something else

Solvent: Larger Amount
Substance in which another substance is dissolved

Solutions:
PASSES LIGHT
EASILY!

Ex)

Heterogeneous:

Varying properties
Visibly different parts
Ex)

Suspensions:

Large visual
particles that settle
• Block light
Ex)

Colloids:

Suspended particles that
never settle out!
(Tyndall Effect)
BLOCK Light!

Ex)

Physical Change:
Physical Property:

Chemical Change:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Chemical Property: